

ART. VII.—*Additions to and Alterations in the Catalogue of  
the Marine Shells of Victoria.*

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AND

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In this paper we have added 28 more species to the catalogue, including two new genera, *Verticordia* and *Poroleda*. The total number catalogued is now 1080.

The paper includes seven species of the genus *Marginella*. The *Marginellidae* of Victoria and Tasmania have hitherto proved a difficult group, but through the close attention bestowed on them by Mr. W. L. May, of Tasmania, many of the difficulties, presented from time to time, have been satisfactorily elucidated. Our work on the group has been greatly facilitated by the gift of numerous typical examples of Mr. May's Tasmanian species. Favoured with this assistance we have been able to critically compare our Victorian forms, and, consequently, augment the list as above. With a record of 38 species, the genus *Marginella* is well represented in the waters of Victoria.

**TURRICULA RETROCURVATA**, Verco.

1909. *Mitra retrocurvata*, Verco. T.R.S., S.A., vol. XXXIII., p. 338, pl. 24, f. 4, 5.

Hab.—In about 40 fathoms, off Ninety Mile Beach.

Obs.—Size of type: Length, 16.5; breadth, 6.25 mm. Quadripliate.

**TURRICULA ACROMIALIS**, Hedley.

1915. *Mitra acromialis*, Hedley. P.L.S., N.S.W., vol. XXXIX. for 1914, p. 730, pl. 84, f. 85.

Hab.—Same as preceding species.

Obs.—Size of type: Length, 9.5; breadth, 4 mm. Quadriplicate.

**TURRICULA PUMILIO, May.**

1915. *Vexillum pumilio*, May. P.R.S., Tas., p. 85,  
pl. 1, f. 5.

Hab.—Same as preceding species.

Obs.—Size of type: Length, 4.3; breadth, 2 mm. Triplicate.

**MARGINELLA ANGASI, Brazier.**

1870. *Marginella angasi*, Brazier. Jour. de Conch.,  
vol. XVIII., p. 304, and vol. XIX., 1871, p. 324,  
pl. 12, f. 3.

1875. *Granula angasi*, Brazier. Jousseau, Rev. et  
Mag. Zool., p. 84.

1883. *Marginella angasi*, Brazier. Tryon. Man. Conch.,  
vol. V., p. 45, pl. 12, f. 67.

1908. *Marginella angasi*, Brazier. May, P.R.S., Tas.,  
p. 53.

1915. *Marginella angasi*, Brazier. Hedley, P.L.S.,  
N.S.W., vol. XXXIX. for 1914, p. 726, pl. 82,  
f. 66.

Hab.—Portsea, Port Phillip; Western Port; dredged off Wilson's  
Promontory, and off Ninety Mile Beach.

Obs.—Size of type: Length, 1.75; breadth, 1 mm. May remarks  
(*loc. cit.*): "If I have rightly identified the species, then *M. halli*,  
Prit. and Gat., is a synonym." His identification is wrong; *M.*  
*angasi* has a slightly elevated spire, in *M. halli* the spire is totally  
immersed.

**MARGINELLA STILLA, Hedley.**

1903. *Marginella stilla*, Hedley. Mem. Aust. Mus.,  
vol. IV., p. 367, f. 90 (in text).

Hab.—In about 40 fathoms, off Ninety Mile Beach.

Obs.—Size of type: Length, 5; breadth, 2.5 mm. Quadriplate,  
lip finely denticulate within.

**MARGINELLA SUBAURICULATA, May.**

1915. *Marginella subauriculata*, May. P.R.S., Tas., p.  
86, pl. 2, f. 7.

Hab.—Western Port; and dredged off Wilson's Promontory.

Obs.—Size of type: Length, 1.5; breadth, 1.2 mm. Columella  
with six plaits.

**MARGINELLA FREYCINETI**, May.1915. *Marginella freycineti*, May. Id., f. 9.

Hab.—Dredged off Rhyll, Western Port.

Obs.—Size of type: Length, 2; breadth, 1.2 mm. Triplicate.

**MARGINELLA CADUCOCINCTA**, May.1915. *Marginella caducocincta*, May. Id., p. 88, pl. 2, f. 11.

Hab.—Dredged off Wilson's Promontory.

Obs.—Size of type: Length, 3; breadth, 2 mm. Quaduplicate.

**MARGINELLA INCONSPICUA**, Sowerby.1846. *Marginella inconspicua*, Sowerby. *Thes. Conch.*, vol. I., p. 387, pl. 75, f. 80.1915. *Marginella inconspicua*, Sowerby. Hedley, P.L.S., N.S.W., vol. XXXIX., p. 726, pl. 82, f. 64.

Hab.—Dredged off Gabo Island.

Obs.—Size: Length, 5.5; breadth, 3 mm.

**MARGINELLA PROBLEMATICA**, Gatliff and Gabriel.1916. *Marginella problematica*, Gatliff and Gabriel. *Antea* page 104.

Hab.—Dredged Western Port, in 8 to 10 fathoms.

**DAPHNELLA MICROSCOPICA**, May.1915. *Taranis microscopica*, May. P.R.S., Tas., p. 84, pl. 1, f. 2.

Hab.—Dredged off Wilson's Promontory.

Obs.—Size of type: Length, 1.3; breadth, 0.7 mm. Closely resembling *D. excavata*, Gatliff.**CASSIS ACHATINA**, Lamarck, var **STADIALIS**, Hedley.1903. *Cassidea turgida*, Hedley, not of Reeve. *Mem. Aust. Mus.*, vol. IV., p. 340, pl. 36, f. 1.1914. *Cassidea stadialis*, Hedley. *Zool.*, Commonwealth trawler "Endeavour," vol. II., pt. 2, p. 72, pl. 10, f. 4.

Hab.—Dredged in Bass Straits.

Obs.—Size attaining to: Length, 100; breadth, 70 mm. Hedley (*loc. cit.*) states: "Some might regard it as a form of *C. pyrum*, Lamarck." We consider it to be a large, inflated variety of *C. achatina*, Lamarck.

*EULIMA IMMACULATA*, Pritchard and Gatliff. (Pl. VII., Fig. 2).

1900. *Stylifer immaculata*, Pritchard and Gatliff.

P.R.S., Vic., vol. XIII. (N.S.), p. 137, pl. 21, f. 2.

Hab.—Type from Shoreham, Western Port; St. Kilda, and Frankston, Port Phillip; Torquay.

Obs.—Size of type: Length, 3; breadth, 1.5 mm. It was the only specimen obtained at that time, since then we have got others from the localities above indicated, and after critically examining them we have decided to class it as a *Eulima*. We give another figure of it.

*ODOSTOMIA OCCULTIDENS*, May.

1915. *Odostomia occultidens*, May. P.R.S., Tas., p. 90, pl. 4, f. 19.

Hab.—Portsea, Port Phillip; and dredged off Rhyll, Western Port.

Obs.—Size of type: Length, 1.5; breadth, 1 mm. "A very variable species in some particulars."

*CERITHIOPSIS DANNEVIGI*, Hedley.

1911. *Cerithiopsis dannevigii*, Hedley. Zool., Commonwealth trawler "Endeavour," pt. I., p. 109, pl. 19, f. 26, 27.

Hab.—San Remo, Western Port; and off Ninety Mile Beach in about 40 fathoms.

Obs.—Size of type: Length, 5.5; breadth, 1 mm.

*RISSOA OBELISCUS*, May.

1915. *Rissoa obeliscus*. May. P.R.S., Tas., p. 92, pl. 5, f. 24.

Hab.—Same as preceding species.

Obs.—Size of type: Length, 2.2; breadth, 1 mm. "Smooth and polished."

*RISSOA SIMILLIMA*, May.

1915. *Rissoa simillima*, May. *Id.*, p. 93, pl. 5, f. 26.

Hab.—Same as preceding species.

Obs.—Size of type: Length, 1.8; breadth, 1.3 mm.

**RISSOA AURANTIOCINCTA, May.**

1915. *Amphithalamus aurantiocinctus*, May. *Id.*, p. 96, pl. 6, f. 33.

Hab.—Dredged off Wilson's Promontory.

Obs.—Size of type: Length, 2.5; breadth, 1.4 mm. A smooth shell of five whorls, with two orange bands on the body whorl.

**ACANTHOCHITES LACHRYMOSUS, May and Torr.**

1912. *Acanthochites lachrymosus*, May and Torr. *P.R.S., Tas.*, p. 36, pl. 1, f. 1-4.

Hab.—Torquay.

Obs.—Size of type: Length, 33; breadth, 12 mm. (dried specimen).

**CHITON EXOPTANDUS, Bednall.**

1897. *Chiton exoptandus*, Bednall. *P. Mal. S., Lond.*, vol. II., p. 152, pl. 12, f. 7.

1912. *Chiton exoptandus*, Bednall, Torr. *T.R.S., S.A.*, vol. XXXVI., p. 153.

Hab.—Dredged off Newhaven, Phillip Island, Western Port.

Obs.—Size: Length, 27; breadth, 14 mm. A beautiful Chiton, its principal coloration being red.

**TEREDO NAVALIS, Linn.**

1767. *Teredo navalis*, Linn. *Syst. Nat.* ed. 12, p. 1267.

1915. *Teredo navalis*, Linn. *Gatliff and Gabriel, P.R.S., Vic., Vol. XXVIII. (N.S.)*, pt. 1, p. 117, pl. XIII., f. 10.

Hab.—Lakes Entrance.

Obs.—This species was discussed by the authors (*loc. cit.*), wherein will be found a list of references.

**TEREDO PEDICILLATUS, Quatrefages.**

1849. *Teredo pedicillatus*, Quatrefages. *Ann. Nat. Sci., Ser. 3, Zool.*, vol. II., p. 26, pl. 1, f. 2.

1915. *Teredo pedicillatus*, Quatrefages. *Gatliff and Gabriel, P.R.S., Vic.*, vol. XXVIII. (N.S.), pt. 1, p. 121, pl. XIII., f. 13.

Hab.—Lakes Entrance; Portsea Pier; Brighton boatslip.

Obs.—The previous observations apply also to this species.

**TEREDO BRUGUIERI**, Delle Chiaje.

1792. *Teredo norvagicus*, Spengler. *Skriv. Nat. Selsk.*, vol. II., p. 102, pl. 2, f. 4-6, B (not binomial).  
 1828. *Teredo bruguieri*, Delle Chiaje. *Memorie.*, vol. IV., pp. 28 and 32, pl. 54, f. 9-12.  
 1894. *Teredo edax*, Hedley. *P.L.S., N.S.W.*, vol. IX., pp. 501-505, pl. 32, f. 1-5.  
 1903. *Nausitora edax*, Hedley. *Pritchard and Gatliff, P.R.S., Vic.*, vol. XVI. (N.S.), p. 98.  
 1915. *Teredo bruguieri*, Delle Chiaje. *Gatliff and Gabriel, P.R.S., Vic.*, vol. XXVIII. (N.S.), p. 118, pl. XIII., f. 12.

Hab.—Western Port; Lakes Entrance; Portsea Pier; Brighton boat-slip.

Obs.—In their catalogue, Pritchard and Gatliff recorded this species under the appellation of *Nausitora edax*, Hedley. This is manifestly a synonym of the common European form.

**TEREDO FRAGILIS**, Tate.

1889. *Teredo fragilis*, Tate. *T.R.S., S.A.*, vol. XI., p. 60, pl. XI., f. 13a, b, c.  
 1915. *Teredo fragilis*, Tate. *Gatliff and Gabriel, P.R.S., Vic.*, vol. XXVIII. (N.S.), p. 122, pl. XIII., f. 14.

Hab.—Brighton boat-slip, and Portsea Pier, Port Phillip.

Obs.—With this addition, five species constitute the representation of the Teredidae in the waters of Victoria. In a communication (these Proceedings, vol. XXVIII., 1915, p. 115, pls. XII.-XIII., figs. 1-4, 6-14), the Teredidae of Victoria were dealt with by the present authors, when it was conclusively shown that *T. fragilis*, Tate, had erroneously suffered the degradation of a synonym. That such a misunderstanding had occurred is clear from the remarks, and in the figure of the type pallet accompanying it. This is the smallest Victorian form, its nearest ally being *T. pedicellatus*, Quat. The timber from the first locality was a Eucalypt, in which were associated both forms. The pallets of these species possess distinctive features, which are readily discernible in the figures of above references.

**LEPTON FRENCHIENSIS**, Gatliff and Gabriel.

1916. *Lepton frenchiensis*, Gatliff and Gabriel. *Antea* page 105.

## NEOLEPTON NOVACAMBRICA, Hedley.

1915. *Neolepton novacambrica*, Hedley. P.L.S., N.S.W., for 1914, vol. XXXIX., p. 701, pl. 79, f. 29-32.

Hab.—Off Ninety Mile Beach, in about 40 fathoms; and off Wilson's Promontory.

Obs.—Size of type: Height, 2; length, 2.2; depth of single valve, 0.6 mm.

## ROCHEFORTIA ANOMALA, Angas.

1877. *Mysella anomala*, Angas. P.Z.S., Lond., p. 176, pl. 26, f. 22.  
 1878. *Mysella anomala*, Angas. Id., p. 870.  
 1901. *Rochefortia anomala*, Angas. Tate and May, P.L.S., N.S.W., vol. XXVI., p. 433.

Hab.—Dredged in eight fathoms, Point Cook, Port Phillip.

## VERTICORDIA TASMANICA, May.

1915. *Verticordia tasmanica*, May. P.R.S., Tas., p. 99, pl. 8, f. 41.

Hab.—Off Wilson's Promontory.

Obs.—Size of type: Height, 4; width, 4.5 mm.

## CARDITELLA VINCENTENSIS, Verco.

1908. *Carditella vincentensis*, Verco. T.R.S., S.A., vol. XXXII., p. 354, pl. 16, f. 20, 21.

Hab.—Off Ninety Mile Beach, in about 40 fathoms.

Obs.—Size of type: Antero-posterior diameter, 3; umbo-ventral, 2.85 mm.

## POROLEDA SPATHULA, Hedley.

1902. *Leda ensicula*, Hedley, non Angas. Mem. Aust. Mus., vol. IV., p. 293, f. 41, in text.  
 1915. *Poroleda spathula*, Hedley. P.L.S., N.S.W., vol. XXXIX., for 1914, p. 696, pl. 78, f. 17, 18.

Hab.—Off Ninety Mile Beach, in about 40 fathoms.

Obs.—Size of type: Length, 14; height, 4.5 mm. Tate and May correctly stated that *Leda lefroyi*, Beddome was a synonym of *L. ensicula*, Angas. Hedley obtained a new species (*P. spathula*, *loc. cit.*) off Port Kembla, wrongly identified it as being *L. ensicula*, Angas, and distributed it as such, and stated in the reference first

above cited that Tate and May had been mistaken in their identification; he now admits his error.

**MODIOLARIA RADIANS, Suter.**

1908. *Dacrydium radians*, Suter. T.N.Z.I., vol. XL., p. 355, pl. 27, f. 11.  
1913. *Dacrydium radians*, Suter. Man. N.Z. Moll., p. 872, pl. 51, f. 19a.  
1912. *Modiolaria rhyllensis*, Gatliff and Gabriel. P.R.S., Vic., vol. XXV. (N.S.), p. 167, pl. 9, f. 9, 10.

Hab.—Dredged living, off Rhyll, Western Port, in about six fathoms.

Obs.—From a specimen kindly sent to us by Mr. Suter, we are led to the conclusion that *M. rhyllensis* is the same as his species, but we prefer to class it as a *Modiolaria*.